Author Index

Alijo, R. and Ramos, J.

Several routes of activation of the potassium uptake system of yeast (1179) 224

Alvarez, E., María, C.S. and Machado, A.

Respiratory burst reaction changes with age in rat peritoneal macrophages (1179) 247

Asai, Y., see Hatayama, T. (1179) 109

Azuma, E.K., Kitagawa, S., Yuo, A., Mizoguchi, H., Umezawa, K., Takaku, F. and Saito, M.

Activation of the respiratory burst and tyrosine phosphorylation of proteins in human neutrophils: no direct relationship and involvement of protein kinase C-dependent and -independent signaling pathways (1179) 213

Baldie, G., Kaimakamis, D. and Rotondo, D.

Fatty acid modulation of cytokine release from human monocytic cells (1179) 125

Bárány, K., see Bárány, M. (1179) 229

Bárány, M. and Bárány, K.

Calponin phosphorylation does not accompany contraction of various smooth muscles (1179) 229

Bastos, M., see Yang, Y.C. (1179) 141

Bautista, A.P., see Spolarics, Z. (1179) 134

Benovic, J.L., see Ramkumar, V. (1179) 89

Boland, R.L., see De Boland, A.R. (1179) 98

Brasitus, T.A., see Khare, S. (1179) 234

Brooks, E.J., see Cutler Jr., R.E. (1179) 260

Bultrón, E., Thelestam, M. and Gutiérrez, J.M.

Effects on cultured mammalian cells of myotoxin III, a phospholipase A₂ isolated from *Bothrops asper* (terciopelo) venom (1179)

Burchert, M., see Kurie, J.M. (1179) 203

Cardin, A.D., see Fanger, B.O. (1179) 300 Cashman, E.A., see Fanger, B.O. (1179) 300

Chen, K.Y., see Yang, Y.C. (1179) 141

Chiu, C.-F., see Kurie, J.M. (1179) 203

Chow, S.C. and Powis,, G.

253

Mechanisms of platelet-derived growth factor-induced arachidonic acid release in Swiss 3T3 fibroblasts: the role of a localized increase in free Ca²⁺ concentration beneath the plasma membrane and the activation of protein kinase C (1179) 81

Cutler Jr., R.E., Maizels, E.T., Brooks, E.J., Mizuno, K., Ohno, S. and Hunzicker-Dunn, M.

Regulation of δ protein kinase C during rat ovarian differentiation (1179) 260

Dauphin, G., see Rabaste, F. (1179) 166

Davis, S.S., see Moghimi, S.M. (1179) 157

De Boland, A.R. and Boland, R.L.

1,25-Dihydroxyvitamin D-3 induces arachidonate mobilization in embryonic chick myoblasts (1179) 98

Delort, A.-M., see Rabaste, F. (1179) 166

Dmitrovsky, E., see Kurie, J.M. (1179) 203

Doza, Y.N., see Selinger, Z. (1179) 283

Fanger, B.O., Wade, A.C., Cashman, E.A. and Cardin, A.D. Identification of a 63-kDa serum protein that binds somatostatin

and gastrin-releasing peptide but not bombesin (1179) 300

Firestein, G.S., see Sajjadi, F.G. (1179) 105

Fischer, J.A., see Kaufmann, M. (1179) 197

Fuki, I.V., see Muzykantov, V.R. (1179) 148

Gali, R.R., see Pugazhenthi, S. (1179) 271 Gutiérrez, J.M., see Bultrón, E. (1179) 253

Haase, W., see Pilarsky, C. (1179) 306

Hatayama, T., Asai, Y., Wakatsuki, T., Kitamura, T. and Imahara, H

Regulation of hsp70 induction in thermotolerant HeLa cells (1179) 109

Hawkins, P.T., see Stephens, L.R. (1179) 27

Herrin, D.L., see Memon, A.R. (1179) 11

Hirata, H., see Kitagawa, S. (1179) 277

Hirst, B.H., see Hunter, J. (1179) 1

Hunter, J., Hirst, B.H. and Simmons, N.L.

Transepithelial secretion, cellular accumulation and cytotoxicity of vinblastine in defined MDCK cell strains (1179) 1

Hunzicker-Dunn, M., see Cutler Jr., R.E. (1179) 260

Illum, L., see Moghimi, S.M. (1179) 157

Imahara, H., see Hatayama, T. (1179) 109

Jackson, T.R., see Stephens, L.R. (1179) 27 Jeminet, G., see Rabaste, F. (1179) 166

Kaimakamis, D., see Baldie, G. (1179) 125

Kansha, M., Takeshige, K. and Minakami, S.

Decrease in the phosphotyrosine phosphatase activity in the plasma membrane of human neutrophils on stimulation by phorbol 12-myristate 13-acetate (1179) 189

Kaufmann, M., Fischer, J.A. and Muff, R.

Comparison of parathyroid hormone receptors in rat osteosarcoma cells and kidney (1179) 197

Kellett, G.L., see Khoja, S.M. (1179) 76

Khandelwal, R.L., see Pugazhenthi, S. (1179) 271

Khare, S., Wilson, D.M., Tien, X.-Y. and Brasitus, T.A.

M₃ muscarinic receptors on rat colonocytes are coupled to particulate guanylate cyclase activation (1179) 234

Khoja, S.M. and Kellett, G.L.

Effect of hypothyroidism on glucose transport and metabolism in rat small intestine (1179) 76

Kitagawa, S., Orinaka, M. and Hirata, H.

Depth-dependent change in membrane fluidity by phenolic compounds in bovine platelets and its relationship with their effects on aggregation and adenylate cyclase activity (1179) 277

Kitagawa, S., see Azuma, E.K. (1179) 213

Kitamura, T., see Hatayama, T. (1179) 109

Koch-Brandt, C., see Pilarsky, C. (1179) 306

Kolb-Bachofen, V., see Moghimi, S.M. (1179) 157

Kolesnick, R., see Kurie, J.M. (1179) 203

Author Index

Alijo, R. and Ramos, J.

Several routes of activation of the potassium uptake system of yeast (1179) 224

Alvarez, E., María, C.S. and Machado, A.

Respiratory burst reaction changes with age in rat peritoneal macrophages (1179) 247

Asai, Y., see Hatayama, T. (1179) 109

Azuma, E.K., Kitagawa, S., Yuo, A., Mizoguchi, H., Umezawa, K., Takaku, F. and Saito, M.

Activation of the respiratory burst and tyrosine phosphorylation of proteins in human neutrophils: no direct relationship and involvement of protein kinase C-dependent and -independent signaling pathways (1179) 213

Baldie, G., Kaimakamis, D. and Rotondo, D.

Fatty acid modulation of cytokine release from human monocytic cells (1179) 125

Bárány, K., see Bárány, M. (1179) 229

Bárány, M. and Bárány, K.

Calponin phosphorylation does not accompany contraction of various smooth muscles (1179) 229

Bastos, M., see Yang, Y.C. (1179) 141

Bautista, A.P., see Spolarics, Z. (1179) 134

Benovic, J.L., see Ramkumar, V. (1179) 89

Boland, R.L., see De Boland, A.R. (1179) 98

Brasitus, T.A., see Khare, S. (1179) 234

Brooks, E.J., see Cutler Jr., R.E. (1179) 260

Bultrón, E., Thelestam, M. and Gutiérrez, J.M.

Effects on cultured mammalian cells of myotoxin III, a phospholipase A₂ isolated from *Bothrops asper* (terciopelo) venom (1179)

Burchert, M., see Kurie, J.M. (1179) 203

Cardin, A.D., see Fanger, B.O. (1179) 300 Cashman, E.A., see Fanger, B.O. (1179) 300

Chen, K.Y., see Yang, Y.C. (1179) 141

Chiu, C.-F., see Kurie, J.M. (1179) 203

Chow, S.C. and Powis,, G.

253

Mechanisms of platelet-derived growth factor-induced arachidonic acid release in Swiss 3T3 fibroblasts: the role of a localized increase in free Ca²⁺ concentration beneath the plasma membrane and the activation of protein kinase C (1179) 81

Cutler Jr., R.E., Maizels, E.T., Brooks, E.J., Mizuno, K., Ohno, S. and Hunzicker-Dunn, M.

Regulation of δ protein kinase C during rat ovarian differentiation (1179) 260

Dauphin, G., see Rabaste, F. (1179) 166

Davis, S.S., see Moghimi, S.M. (1179) 157

De Boland, A.R. and Boland, R.L.

1,25-Dihydroxyvitamin D-3 induces arachidonate mobilization in embryonic chick myoblasts (1179) 98

Delort, A.-M., see Rabaste, F. (1179) 166

Dmitrovsky, E., see Kurie, J.M. (1179) 203

Doza, Y.N., see Selinger, Z. (1179) 283

Fanger, B.O., Wade, A.C., Cashman, E.A. and Cardin, A.D. Identification of a 63-kDa serum protein that binds somatostatin

and gastrin-releasing peptide but not bombesin (1179) 300

Firestein, G.S., see Sajjadi, F.G. (1179) 105

Fischer, J.A., see Kaufmann, M. (1179) 197

Fuki, I.V., see Muzykantov, V.R. (1179) 148

Gali, R.R., see Pugazhenthi, S. (1179) 271 Gutiérrez, J.M., see Bultrón, E. (1179) 253

Haase, W., see Pilarsky, C. (1179) 306

Hatayama, T., Asai, Y., Wakatsuki, T., Kitamura, T. and Imahara, H

Regulation of hsp70 induction in thermotolerant HeLa cells (1179) 109

Hawkins, P.T., see Stephens, L.R. (1179) 27

Herrin, D.L., see Memon, A.R. (1179) 11

Hirata, H., see Kitagawa, S. (1179) 277

Hirst, B.H., see Hunter, J. (1179) 1

Hunter, J., Hirst, B.H. and Simmons, N.L.

Transepithelial secretion, cellular accumulation and cytotoxicity of vinblastine in defined MDCK cell strains (1179) 1

Hunzicker-Dunn, M., see Cutler Jr., R.E. (1179) 260

Illum, L., see Moghimi, S.M. (1179) 157

Imahara, H., see Hatayama, T. (1179) 109

Jackson, T.R., see Stephens, L.R. (1179) 27 Jeminet, G., see Rabaste, F. (1179) 166

Kaimakamis, D., see Baldie, G. (1179) 125

Kansha, M., Takeshige, K. and Minakami, S.

Decrease in the phosphotyrosine phosphatase activity in the plasma membrane of human neutrophils on stimulation by phorbol 12-myristate 13-acetate (1179) 189

Kaufmann, M., Fischer, J.A. and Muff, R.

Comparison of parathyroid hormone receptors in rat osteosarcoma cells and kidney (1179) 197

Kellett, G.L., see Khoja, S.M. (1179) 76

Khandelwal, R.L., see Pugazhenthi, S. (1179) 271

Khare, S., Wilson, D.M., Tien, X.-Y. and Brasitus, T.A.

M₃ muscarinic receptors on rat colonocytes are coupled to particulate guanylate cyclase activation (1179) 234

Khoja, S.M. and Kellett, G.L.

Effect of hypothyroidism on glucose transport and metabolism in rat small intestine (1179) 76

Kitagawa, S., Orinaka, M. and Hirata, H.

Depth-dependent change in membrane fluidity by phenolic compounds in bovine platelets and its relationship with their effects on aggregation and adenylate cyclase activity (1179) 277

Kitagawa, S., see Azuma, E.K. (1179) 213

Kitamura, T., see Hatayama, T. (1179) 109

Koch-Brandt, C., see Pilarsky, C. (1179) 306

Kolb-Bachofen, V., see Moghimi, S.M. (1179) 157

Kolesnick, R., see Kurie, J.M. (1179) 203

Kristensen S.R.

Removal of calcium overload caused by A23187 is more dependent on glycolysis than oxidative phosphorylation (1179) 23

Kurie, J.M., Younes, A., Miller, Jr., W.H., Burchert, M., Chiu, C.-F., Kolesnick, R. and Dmitrovsky, E.

Retinoic acid stimulates the protein kinase C pathway before activation of its β -nuclear receptor during human teratocarcinoma differentiation (1179) 203

Kwatra, M., see Ramkumar, V. (1179) 89

Lohse, M.J.

Molecular mechanisms of membrane receptor desensitization (1179) 171

Machado, A., see Alvarez, E. (1179) 247

Maizels, E.T., see Cutler Jr., R.E. (1179) 260

María, C.S., see Alvarez, E. (1179) 247

McCallum, J.F., see Milligan, G. (1179) 208

Memon, A.R., Herrin, D.L. and Thompson, Jr., G.A.

Intracellular translocation of a 28 kDa GTP-binding protein during osmotic shock-induced cell volume regulation in *Dunaliella salina* (1179) 11

Michaelis, C. and Weeks, G.

The isolation from a unicellular organism, *Dictyostelium discoideum*, of a highly-related *cdc2* gene with characteristics of the PCTAIRE subfamily (1179) 117

Miller, Jr., W.H., see Kurie, J.M. (1179) 203

Milligan, G., Mullaney, I. and McCallum, J.F.

Distribution and relative levels of expression of the phosphoinositidase-C-linked G-proteins $G_q \alpha$ and $G_{11} \alpha$: absence of $G_{11} \alpha$ in human platelets and haemopoietically derived cell lines (1179) 208

Minakami, S., see Kansha, M. (1179) 189

Minke, B., see Selinger, Z. (1179) 283

Mizoguchi, H., see Azuma, E.K. (1179) 213

Mizuno, K., see Cutler Jr., R.E. (1179) 260

Moghimi, S.M., Muir, I.S., Illum, L., Davis, S.S. and Kolb-Bachofen,

Coating particles with a block co-polymer (poloxamine-908) suppresses opsonization but permits the activity of dysopsonins in the serum (1179) 157

Muff, R., see Kaufmann, M. (1179) 197

Muir, I.S., see Moghimi, S.M. (1179) 157

Mullaney, I., see Milligan, G. (1179) 208

Muzykantov, V.R., Zaltzman, A.B., Fuki, I.V., Smirnov, M.D., Samokhin, G.P. and Romanov, Y.A.

Interaction of avidin-carrying red blood cells with nucleated cells (1179) 148

Ohno, S., see Cutler Jr., R.E. (1179) 260

Orinaka, M., see Kitagawa, S. (1179) 277

Pilarsky, C., Haase, W. and Koch-Brandt, C.

Stable expression of gp80 (TRPM-2, clusterin), a secretory protein implicated in programmed cell death, in transfected BHK-21 cells (1179) 306

Powis,, G., see Chow, S.C. (1179) 81

Pugazhenthi, S., Yu, B., Gali, R.R. and Khandelwal, R.L.

Differential effects of calyculin A and okadaic acid on the glu-

cose-induced regulation of glycogen synthase and phosphorylase activities in cultured hepatocytes (1179) 271

Rabaste, F., Jeminet, G., Dauphin, G. and Delort, A.-M.

Na⁺ and K⁺ transport by 4-chlorophenylurethane-monensin in *Enterococcus hirae* de-energized and energized cells studied by ²³Na-NMR and K⁺ atomic absorption (1179) 166

Ramkumar, V., Kwatra, M., Benovic, J.L. and Stilesa, G.L.

Functional consequences of A₁ adenosine-receptor phosphorylation by the *B*-adrenergic receptor kinase (1179) 89

Ramos, J., see Alijo, R. (1179) 224

Romanov, Y.A., see Muzykantov, V.R. (1179) 148

Rotondo, D., see Baldie, G. (1179) 125

Saito, M., see Azuma, E.K. (1179) 213

Sajiadi, F.G. and Firestein, G.S.

cDNA cloning and sequence analysis of the human A3 adenosine receptor (1179) 105

Samokhin, G.P., see Muzykantov, V.R. (1179) 148

Selinger, Z., Doza, Y.N. and Minke, B.

Mechanisms and genetics of photoreceptors desensitization in Drosophila flies (1179) 283

Simmons, N.L., see Hunter, J. (1179) 1

Smirnov, M.D., see Muzykantov, V.R. (1179) 148

Spitzer, J.J., see Spolarics, Z. (1179) 134

Spolarics, Z., Bautista, A.P. and Spitzer, J.J.

Primed pentose cycle activity supports production and elimination of superoxide anion in Kupffer cells from rats treated with endotoxin in vivo (1179) 134

Stephens, L.R., Jackson, T.R. and Hawkins, P.T.

Agonist-stimulated synthesis of phosphatidylinositol(3,4,5)-trisphosphate: a new intracellular signalling system? (1179) 27

Stilesa, G.L., see Ramkumar, V. (1179) 89

Takaku, F., see Azuma, E.K. (1179) 213

Takeshige, K., see Kansha, M. (1179) 189

Thelestam, M., see Bultrón, E. (1179) 253

Thompson, Jr., G.A., see Memon, A.R. (1179) 11

Tien, X.-Y., see Khare, S. (1179) 234

Umezawa, K., see Azuma, E.K. (1179) 213

Wade, A.C., see Fanger, B.O. (1179) 300

Wakatsuki, T., see Hatayama, T. (1179) 109

Weeks, G., see Michaelis, C. (1179) 117

Wilson, D.M., see Khare, S. (1179) 234

Yang, Y.C., Bastos, M. and Chen, K.Y.

Effects of osmotic stress and growth stage on cellular pH and polyphosphate metabolism in *Neurospora crassa* as studied by ³¹P nuclear magnetic resonance spectroscopy (1179) 141

Yoo, S.H

pH-Dependent binding of chromogranin B and secretory vesicle matrix proteins to the vesicle membrane (1179) 239

Younes, A., see Kurie, J.M. (1179) 203

Yu, B., see Pugazhenthi, S. (1179) 271

Yuo, A., see Azuma, E.K. (1179) 213

Zaltzman, A.B., see Muzykantov, V.R. (1179) 148